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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/677,411	10/02/2003	Ronald Wade Morgan	P-1155	8467

7590 05/26/2005

Scott R. Cox
LYNCH, COX, GILMAN & MAHAN, P.S.C.
500 W. Jefferson Street
Suite 2100
Louisville, KY 40202

EXAMINER

KIM, SANG K

ART UNIT	PAPER NUMBER
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3654

DATE MAILED: 05/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/677,411

Applicant(s)

MORGAN, RONALD WADE

Examiner

SANG KIM

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Non-final response 3/3/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-18 is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) ☒ Notice of References Cited (PTO-892) | 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) ☐ Notice of Informal Patent Application (PTO-152) |
| 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) ☐ Other: _____ |

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 5, 7-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Clements, U.S. Patent No. 2193619.

With respect to claim 1, Clements '619 shows a locking mechanism (6) to restrict axial rotation of a core winder (device) comprised of a generally donut-shaped locking piece (a base 1 connected by the spool) containing a central opening (near 2, an opening of inside of base 1), a plurality of key locking pin openings (holes for the bolts, see figure 2) in the donut-shaped locking piece which run parallel to the central opening (near 2, an opening of inside of base 1), a rotation limitation system (using a ratchet mechanism 4-5) secured within the central opening (near 2, an opening of inside of base 1) which permits one way directional rotation of a shaft (3 in connection with 2, Webster Dictionary defines shaft as: a commonly cylindrical bar used to support rotating pieces or to transmit power or motion by rotation) placed within the central opening (near 2, an opening of inside of base 1), and a key locking pin (bolts, see figure 2) within one of the key locking pin openings in the donut-shaped locking piece (a base 1 connected by the spool), see figures 1-4.

With respect to claim 2, Clements '619 shows a ratcheting system (4-5), see figure 3.

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With respect to claim 5, Clements '619 shows the rotation limitation system (4-5) provides the shaft (2) with restriction on rotation in a reverse direction, see figure 3.

With respect to claims 7-8, Clements '619 shows a plurality of key locking pin openings (holes for the bolts, see figure 2) corresponds to each key locking pin (bolts, see figure 2).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-4 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clements, U.S. Patent No. 2193619, in view of the admitted prior art disclosed in Applicant's specification, on pages 14-15.

With respect to claims 3-4, Clements '619 discloses the claimed invention except for that the rotation limitations system comprises a sprag or a overriding clutch mechanism.

Applicant's specification discloses that devices which perform this function (i.e., permitting rotation of the shaft in one direction only such as examples listed by the applicant) are well known in the industry.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the rotation limitation system of Clements '619 with a

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sprag or a overriding clutch mechanism as explained by the applicant, to prevent any slippage during any reversal direction. Furthermore, since applicant has not disclosed that using other rotation limitation system has advantage over any particular rotation limitation system, thus it appears that the invention would perform equally well with any rotation limiting system.

With respect to claim 6, Clements '619 shows the key locking pin openings (bolts, see figure 1) extend partially through the donut-shaped locking piece rather than entirely, see figure 1.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use a bolt that has a length which extends all the way through the locking piece to ensure that all the pieces are locked and supported.

Response to Arguments

Applicant's arguments, see pages 10-12, filed 3/3/05, with respect to the rejection(s) of claim(s) 1-8 under Frey '991 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Clements '619.

Allowable Subject Matter

Claims 9-18 are allowed.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to SANG KIM whose telephone number is 571-272-6947. The examiner can normally be reached Monday through Friday from 8:00 A.M. to 5:30 P.M. alternating Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki, can be reached on (571) 272-6951. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SK

5/18/05



KATHY MATECKI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600